

13034

13034

13034

<p>Form 504</p> <p>U. S. DEPARTMENT OF COMMERCE</p> <p>COAST AND GEODETIC SURVEY</p> <p><b>DESCRIPTIVE REPORT</b></p>	
<p>Type of Survey <u>Shoreline (Photogrammetry)</u></p>	
<p>Field No. _____</p>	<p>Office No. <u>T-13034</u></p>
<p><b>LOCALITY</b></p>	
<p>State <u>Mississippi</u></p>	
<p>General locality <u>Mississippi Sound</u></p>	
<p>Locality <u>Ship Island (East Point)</u></p>	
<p><u>1966</u> - 1967</p> <p><b>CHIEF OF PARTY</b></p> <p><u>J. Bull, Director, Atlantic Marine Center</u></p>	
<p><b>LIBRARY &amp; ARCHIVES</b></p>	
<p>DATE _____</p>	

DESCRIPTIVE REPORT - DATA RECORD

T - 13034

PROJECT NO. (II):  
PH 6625

FIELD OFFICE (II): CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III): OFFICER-IN-CHARGE  
Atlantic Marine Center J. Bull, CAPT.

INSTRUCTIONS DATED (II) (III): *FIELD: Dec. 1965*  
*" SUPPL. # 1: Mar. 19, 1966*  
*April 27, 1966 (OFFICE)*  
*FIELD - PHOTO HYDRO: Sept. 27, 1967*  
*Aerotriangulation: March 1, 1966*

METHOD OF COMPILATION (III):  
Graphic

MANUSCRIPT SCALE (III): STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):  
1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV): DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO. DATE: DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III): VERTICAL DATUM (III): *MHW*  
*N. A. 1927*  
~~MEAN SEA LEVEL~~ EXCEPT AS FOLLOWS:  
*Elevations shown as (25) refer to mean high water*  
*Elevations shown as (5) refer to sounding datum*  
*i.e., mean low water or mean lower low water*

REFERENCE STATION (III):  
ISLAND, 1966 ✓

LAT.: LONG.:  ADJUSTED  UNADJUSTED

PLANE COORDINATES (IV): STATE ZONE  
y = 211,478.79 ft. ✓ x = 490,202.71 ft. ✓ Mississippi ✓ East ✓

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.  
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II):  None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air Photo Compilation Date of Photography Jan. 27, 1966		
PROJECTION AND GRIDS RULED BY (IV):  A. E. Roundtree		DATE  5/3/66
PROJECTION AND GRIDS CHECKED BY (IV):  R. Glaser		DATE  5/5/66
CONTROL PLOTTED BY (III):  J. S. Place		DATE  7/12/66
CONTROL CHECKED BY (III):  L. Graves		DATE  7/12/66
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  P. Hawkins (WSC)		DATE <i>April 1966</i> <del>no date</del>
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):  J. S. Place		DATE  August 1966
SCRIBING BY (III):  W. Stevens		DATE  March, 1967
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <i>R.E. Smith (Field Edit Application)</i> <i>" " (Scribing)</i> R. E. Smith ( <i>Compilation</i> )		DATE <i>5/12/67</i> <i>5/18/67</i> August 1966
REMARKS: <i>Field Edit by W.R. Cameron in March 1967</i>		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS Single Lens "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	*STAGE OF TIDE
66 S 2041	27 Jan. 1966	10:56	1:10,000	0.0 ft. <i>M.L.W.</i>

\* Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Pensacola, Florida			1.3
COORDINATE STATION: Ship Island Pass			1.7
SUBORDINATE STATION:			

Atlantic Marine Center  
WASHINGTON OFFICE REVIEW BY (IV):

*No. No. Stacey*

DATE: *Nov. 1968*

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

*1*

RECOVERED:

*1*

IDENTIFIED:

*1*

NUMBER OF BM(S) SEARCHED FOR (II):

*-*

RECOVERED:

*-*

IDENTIFIED:

*-*

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

*-*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

*-*

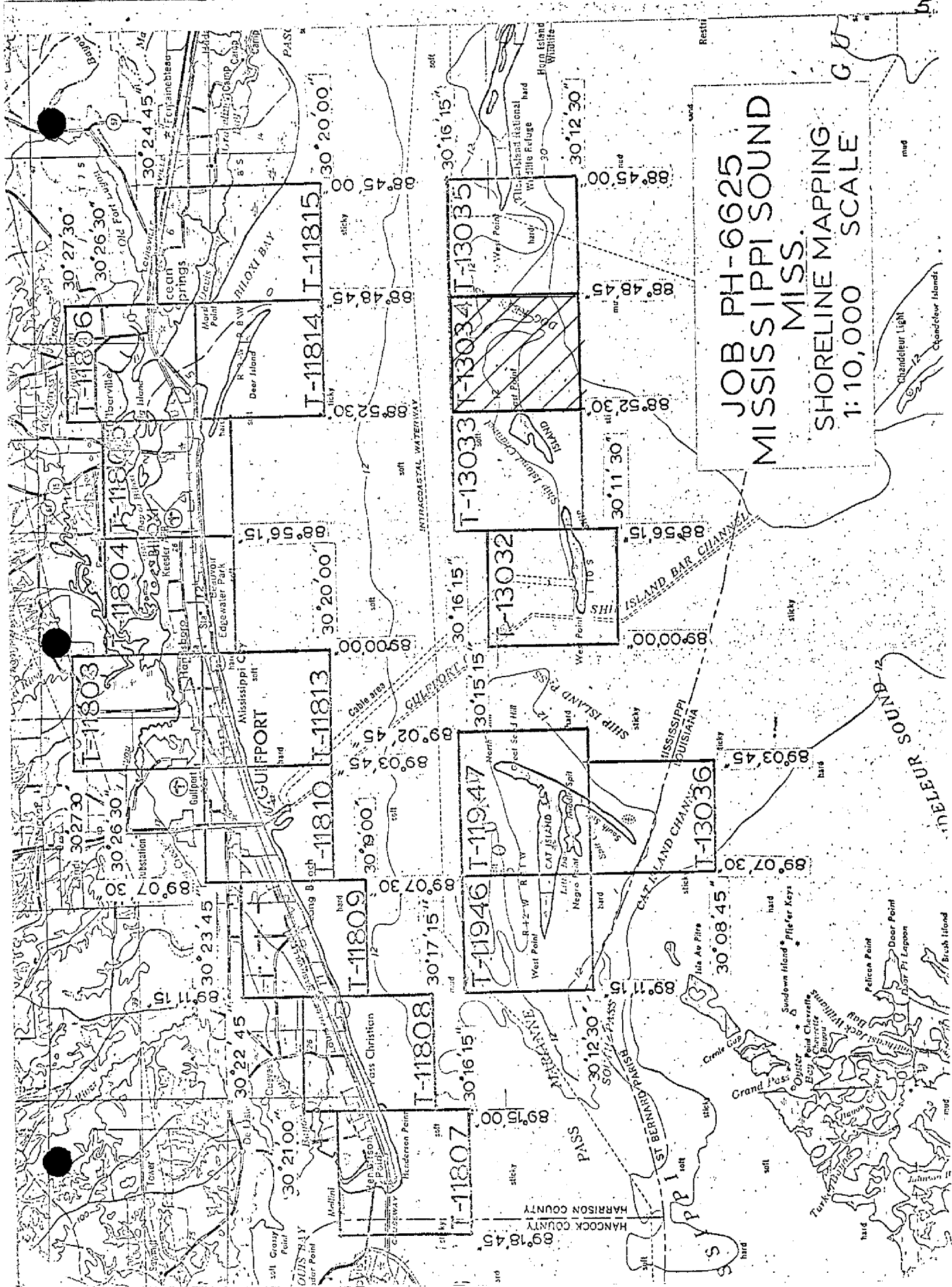
REMARKS:

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation complete subject to Field Edit	August 1966	Superseded
Field Edit applied Compilation Complete	May, 1967	<i>Superseded</i>
<i>Final Review</i>	<i>Nov. 1968</i>	



JOB PH-6625  
 MISSISSIPPI SOUND  
 MISS.  
 SHORELINE MAPPING  
 1:10,000 SCALE

5

MISSISSIPPI SOUND

HARRISON COUNTY  
 HANCOCK COUNTY

Grand Pass  
 Oyster Point  
 Bay Point  
 Concorde  
 Pelican Point  
 Deer Point  
 Deer Pt Lagoon  
 Brush Island

Sundown Island  
 Puffer Keys

CRANE CUP  
 Grand Pass

MISSISSIPPI RIVER  
 PASS

MEADOWS  
 PASS

West Point  
 Negros Point

Deer Island  
 West Point

Deer Island  
 West Point

Deer Island  
 West Point

Deer Island  
 West Point

Deer Island  
 West Point

Deer Island  
 West Point

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-13034

Shoreline manuscript T-13034 is one of the eighteen 1:10,000 scale maps that comprise Ph-6625. These maps are for Mississippi Sound, from Bay St. Louis through Gulfport and Biloxi to Belle Fontaine Point; and the offshore area of Cat Island through Ship Island and includes the west end of Horn Island. The sketch on page 5 of this report shows the position of T-13034 in Ph-6625.

This is a stereo-instrument job in advance of hydrographic surveys of the area. The only field work preceding compilation was that pertaining to control identification, and pre-marking of control stations before photography. The stereoplanigraph bridge was run in the Washington Office with approximately 1:10,000 scale panchromatic photography taken January 27, 1966 with the "S" camera. Compilation was by graphic method with the same photographs used for bridging. Ratio prints at 1:10,000 scale were processed and furnished for hydro support.

The map was field edited in March 1967. Field edit was done on an ozalid, a cronaflex, and on various photographs. The map was scribed and stuck-up after applying the field edit.

Final review was done at the Atlantic Marine Center during November 1968.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude and longitude. The smooth manuscript is on cronaflex for registry and record after final review.

## FIELD INSPECTION REPORT

There was no field inspection prior to compilation.



PHOTOGRAMMETRIC PLOT REPORT  
Job PH-6625  
Mississippi Sound, Mississippi  
Part II

21. Area Covered

Part II includes the offshore islands of Mississippi Sound; T-sheets 11946, 11947, 13032, 13033, 13034, 13035 and 13036 are included in this report.

22. Method

Five strips of photography were bridged on the stereoplanigraph and adjusted by IBM 1620 methods.

Strip #11 consisted of photographs 66-S-2048 thru 2056. This strip was adjusted using only two stations with no checks.

Strip #12 consisted of photographs 66-S-~~1934~~<sup>2034</sup> thru ~~2042~~<sup>1942</sup>. This strip was adjusted using three stations with no checks.

Strip #13 consisted of photographs 66-S-2016 thru 2027. This strip was adjusted using three stations with no checks.

Strip #14 consisted of photographs 66-S-2005 thru 2012. This strip was adjusted using three stations with no checks.

Strip #15 consisted of photographs 66-S-1978 thru 1988. This strip was adjusted using three stations with no checks.

23. Adequacy of Control

Control was at a minimum but complied with project instructions. All stations were held during bridging operations.

24. Supplemental Data

Local GS quads were used for basic leveling during bridging operations.

25. Photography

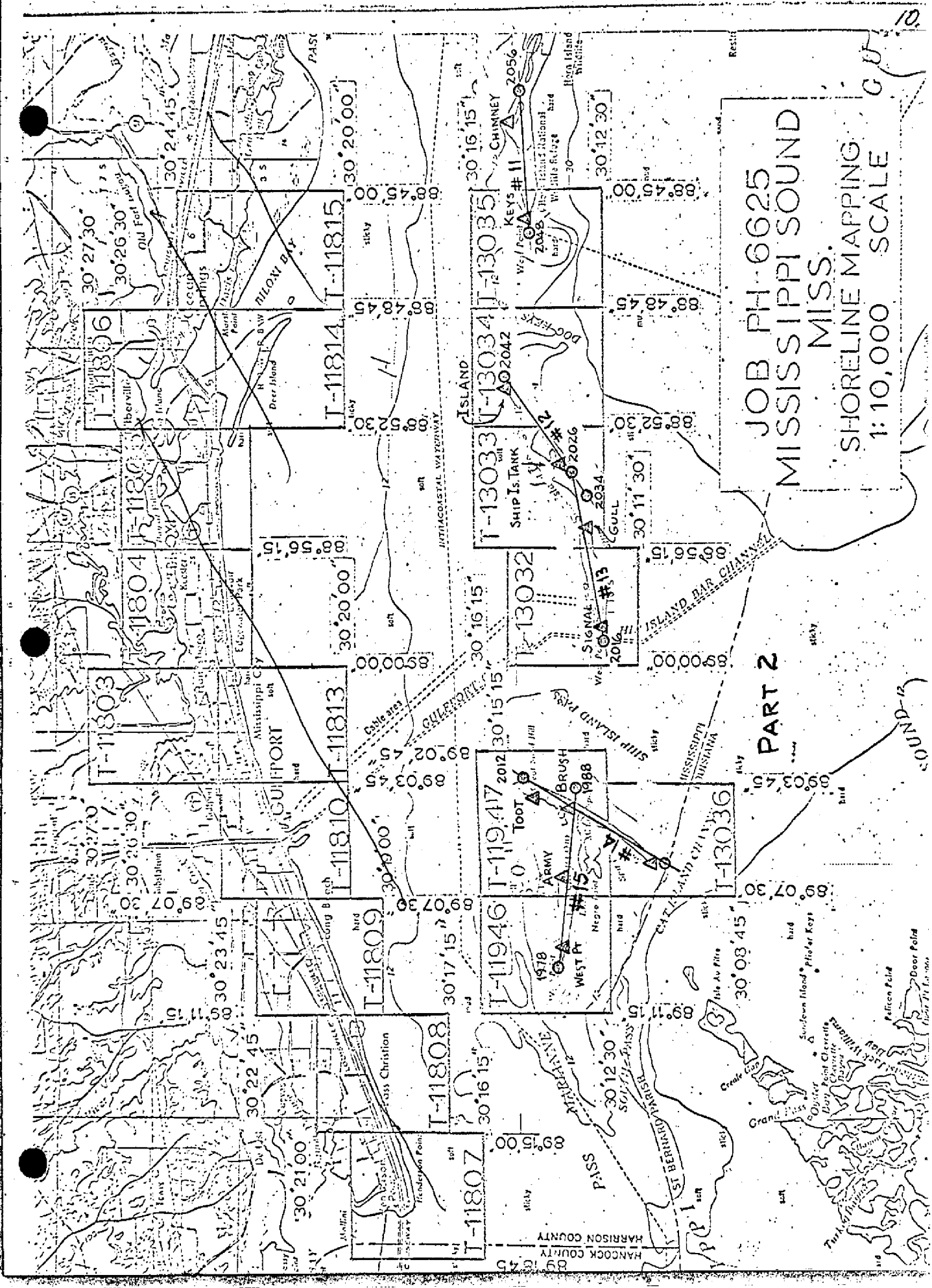
Photography was adequate as to coverage, quality and definition.

Submitted by:

Paul Hawkins  
Paul Hawkins

Approved by:

John D. Perrow, Jr.  
John D. Perrow, Jr.



JOB PH-6625  
 MISSISSIPPI SOUND  
 MISS.  
 SHORELINE MAPPING  
 1:10,000 SCALE

PART 2

SOUND

HARRISON COUNTY  
 HANCOCK COUNTY

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

MAP T. 13034 ..... PROJECT NO. PH-6625 ..... SCALE OF MAP 1:10,000 ..... SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-V-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
ISLAND, 1966	CONTROL RECORD (BRIDGE)	N.A. 1927	211,478.79 ✓ 490,202.71 ✓	1,478.79 (3521.21) ✓ 202.71 (4797.29) ✓			

COMPILATION REPORT  
T-13034



31. DELINEATION

Compiled by the graphic method. Bridge points were transferred directly from the diapositives to the ratio photographs and used as control. No other control was necessary.

There was no field inspection.

Photography was satisfactory.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

There was no field inspection.

Shoreline and shallow lines were delineated from office interpretation of the photographs. No low water line was shown.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-13033 to the west and T-13035 to the east. The Gulf of Mexico is to the south and Mississippi Sound is to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle DOG KEYS PASS, MISS., scale 1:24,000, dated 1950.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart No. 1267, scale 1:80,000, 11th edition, dated January 31, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*J. S. Place*  
J. S. Place  
Cartographer

Approved & forwarded:

*J. Bull*  
For *J. Bull*  
J. Bull, CAPT, USESSA  
Director, Atlantic Marine Center

May 22, 1968

*AB.*: GEOGRAPHIC NAMES :

FINAL NAME SHEET

PH-6625 (Mississippi Sound, Miss.)

T-13034

East Point *Gulf of Mexico*

Mississippi Sound

Ship Island

Approved by:

*A. Joseph Wraight*

A. Joseph Wraight  
Chief Geographer

Prepared by:

*Frank W. Pickett*

Frank W. Pickett  
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

None.



C&GS FORM 1002 (11-13-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
<b>PHOTOGRAMMETRIC OFFICE REVIEW</b>			
T: 10963 13034			
1. PROJECTION AND GRIDS  RES	2. TITLE  RES	3. MANUSCRIPT NUMBERS  RES	4. MANUSCRIPT SIZE  RES
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY  RES	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)  XX	7. PHOTO HYDRO STATIONS  XX	
8. BENCH MARKS  XX	9. PLOTTING OF SEXTANT FIXES  XX	10. PHOTOGRAMMETRIC PLOT REPORT  Bridge W.O.	11. DETAIL POINTS  XX
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE  RES	13. LOW-WATER LINE  XX	14. ROCKS, SHOALS, ETC.  RES	15. BRIDGES  XX
16. AIDS TO NAVIGATION  XX	17. LANDMARKS  XX	18. OTHER ALONGSHORE PHYSICAL FEATURES  RES	19. OTHER ALONGSHORE CULTURAL FEATURES  RES
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES  RES	21. NATURAL GROUND COVER  RES	22. PLANETABLE CONTOURS  XX	
23. STEREOSCOPIC INSTRUMENT CONTOURS  XX	24. CONTOURS IN GENERAL  XX	25. SPOT ELEVATIONS  XX	26. OTHER PHYSICAL FEATURES  RES
<b>CULTURAL FEATURES</b>			
27. ROADS  XX,	28. BUILDINGS  XX	29. RAILROADS  XX	30. OTHER CULTURAL FEATURES  RES
<b>BOUNDARIES</b>			
31. BOUNDARY LINES  XX	32. PUBLIC LAND LINES  XX		
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES  RES	34. JUNCTIONS  RES	35. LEGIBILITY OF THE MANUSCRIPT  RES	
36. DISCREPANCY OVERLAY  XX	37. DESCRIPTIVE REPORT  RES	38. FIELD INSPECTION PHOTOGRAPHS  XX	39. FORMS  RES
40. REVIEWER  RES <i>R.E. Smith</i>	SUPERVISOR, REVIEW SECTION OR UNIT  ACR <i>Albert C. Rauek Jr.</i>		
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER  <i>R.P. Pate</i>		SUPERVISOR  <i>Albert C. Rauek Jr.</i>	
43. REMARKS  Field Edit Applied from Field Cronaflex and Field Edit Ozalid only.  There were no Field Edit Photos.			

FIELD EDIT REPORT

SHEET T-13034

JOB PH-6625

MARCH 1967

Respectfully submitted,

*William R. Cameron*

William R. Cameron

ENS, USESSA

Chief, Photo Party 61

## 51 Methods

All field edit work was done in accordance with project instructions and photo instructions. Several offshore features were located by planetable methods and are shown on a cronaflex positive of this manuscript.

An inspection of alongshore features such as ponds, and marshes was made and corrections are shown on the field edit cronaflex positive.

All additions and corrections to be applied to the map manuscript are indexed on the field edit ozalid.

## 52 Adequacy of Compilation

Compilation of the manuscript was adequate and complete considering there was no field inspection prior to compilation.

## 54 Recommendations

None.

## 56 Additional Information

One wreck and two obstructions were located on the east tip of Ship Island. Location was by planetable and position is shown on the cronaflex positive of this manuscript.

The ponds shown on the manuscript are caused by flooding at MWH.

The note to verify shallow areas on the field edit ozalid is not applicable.

REVIEW REPORT T-13034  
SHORELINE  
NOVEMBER 1968

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid Comparison Print (page 21 [REDACTED]), which shows the differences noted in Items 62, 64, and 65, is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Registered Survey T-9385; 1:20,000; Field inspected in 1950, no field edit.

The T-9385 differences with this survey are shown in blue on the Comparison Print.

(a) The shoreline changes include extension of the island to the northeast by about 300 meters, and recession of the south shore of the island by as much as 130 meters (page 21).

(b) The obstruction near  $30^{\circ} 15'$ ,  $88^{\circ} 51.8'$ , the wreck near  $30^{\circ} 14.95'$ ,  $88^{\circ} 51.7'$ , and the piles near  $30^{\circ} 14.88'$ ,  $88^{\circ} 51.8'$  (on page 21) are not on T-9385.

T-13034 supersedes the previously registered surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

DOG KEYS PASS, MISS; U.S.G.S. quadrangle; 1:24,000; Field Check 1950.

The quadrangle is a reduction of Registered Survey T-9385, and the same differences apply, see Item 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

BOAT SHEET H-8924 (HFP 742 20-2-66); 1:20,000; 1966.

The boat sheet differences with T-13034 are shown on the Comparison Print in green.

(a) The "obstruction" near 30° 15', 88° 51.8' was identified as such by the field editor; the boat sheet labels it an "iron stake" (page 2/ ).

(b) The piling on T-13034 are arranged to conform to the rough circle of "piles" indicated on the cronaflex field edit sheet; the boat sheet arrangement differs somewhat (see page 2/ ).

65. COMPARISON WITH NAUTICAL CHARTS:

CHART 876 SC; 1:40,000; Jan. 1968, corrected to Notice to Mariners #41 of Oct. 14, 1967.

The chart differences with T-13034 are shown on the Comparison Print in red.

(a) None of the thru offshore items: the obstruction near 33° 15', 88° 51.8'; the wreck near 30° 14.95', 88° 51.7'; and the piles near 30° 14.88', 88° 51.8' are on the chart (page 2/ ).

(b) There are ) shoreline differences of up to a 120 meters on Ship Island.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with the job instructions, though compilation was by graphic method instead of using stereo-instrument. The survey meets Bureau requirements, and the National Standards of Map Accuracy.

Approved by:

*Howard S. Cole*  
Howard S. Cole, CAPT. USESSA  
Director, Atlantic Marine Center

Submitted by:

*M. M. Slavney*  
M. M. Slavney

Approved by:

*Charles L. Linn*  
Chief, Photogrammetric Branch

*R. L. Howland*  
Chief, Photogrammetry Division

Chief, Nautical Chart Division

15'30"

NO SURVEY IN 1950

IRON STAKE ON H-8924

15'

NORTH LIMITS OF T-9385

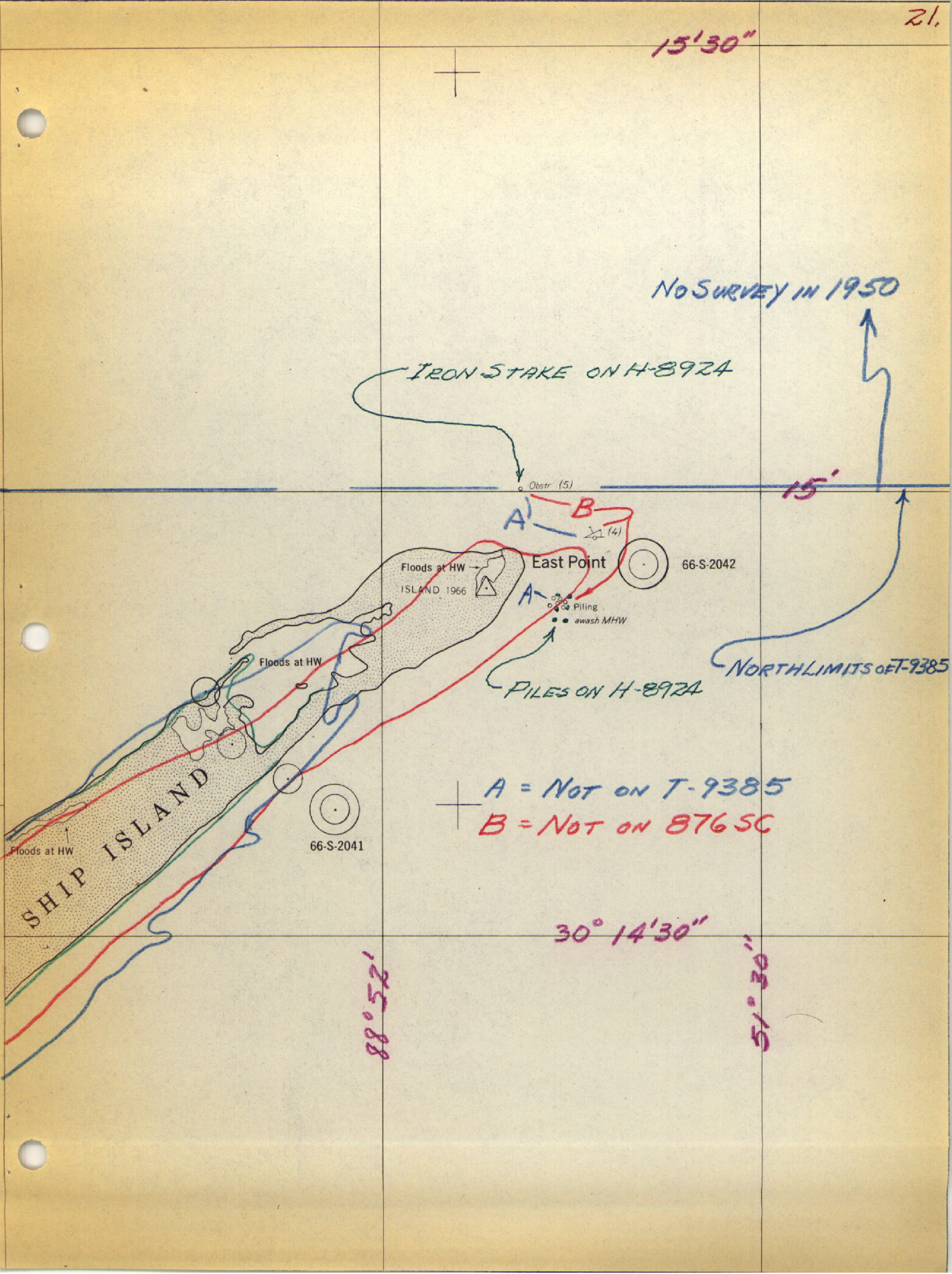
PILES ON H-8924

A = NOT ON T-9385  
B = NOT ON 8765C

30° 14' 30"

88° 52'

51° 30"



NOTES TO REVIEWER  
T-13034, PH-6625  
BOAT SHEET H-8924 (HFP 742-20-2-66)

Please note Items 62, 64, and 65, and the Comparison  
Print of this Descriptive Report.